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List of Ferns.

POLYPODINEÆ.

Polypodium vulgare.
 " *hexagonopterum.*
Allosorus atropurpureus.
Pteris aquilina.
Adiantum pedatum.
Woodwardia angustifolia.
 " *Virginica.*
Camptosorus rhizophyllus.
Asplenium pinnatifidum.
 " *trichomanes.*
 " *ebeneum.*
 " *angustifolium.*
 " *thelypteroides.*
 " *filix femina.*
Dicksonia punctilobula.
Woodsia obtusa.
 " *ilvensis.*
Cystopteris fragilis.

Aspidium thelypteris.
 " *noveboracense.*
 " *spinulosum.*
 " *v. dilatatum.*
 " *cristatum.*
 " *marginale.*
 " *acrostichoides.*
Onoclea sensibilis.

OSMUNDINEÆ.

Botrychium lunarioides.
Lygodium palmatum.
Osmunda regalis.
 " *claytoniana.*
 " *cinnamomea.*
Botrychium Virginicum.
Ophioglossum vulgatum.
 Species 32.

In addition.

Echium vulgare.
Aster longifolius.

Nov. 13th.

MR. LEA, President, in the Chair.

Thirty-two members present.

The following papers were presented for publication :

"Description of a new species of *Cassidulus* from the Cretaceous formation of Alabama, by Wm. M. Gabb."

"Description of a new Genus and species of *Amorphozoa* from the Cretaceous formation of New Jersey, by Wm. M. Gabb."

And were referred to a Committee.

Dr. Rogers exhibited some experiments to show the decomposing power of Carbonic Acid in solution, on bodies containing alkalis and alkaline earths. Specimens of several kinds of glass, mica and trap rock in fine powder, placed on filters, were treated with a solution of carbonic acid dissolved in water. A notable proportion of the alkaline bases was dissolved, as was shown by its action on turmeric paper. Dr. Rogers referred to the bearing of this fact in Geology, especially the absence of alkalis in the ashes of coal and the disintegration of rocks.

Nov. 20th.

MR. LEA, President, in the Chair.

Fifty members present.

Dr. Fisher exhibited a specimen of Peat, obtained by Mr. J. C. Trautwine on the Atrato River, from a bed of leaves. The bed was about thirty feet thick, and the specimen exhibited was taken from about fifteen feet below the surface. On the surface the leaves were fresh, but were gradually changed at different depths, so that the bottom of the bed closely resembled bituminous coal.

Dr. Rogers exhibited Prof. Way's electric light, produced by the ignition of 1860.]

a stream of mercury. He also exhibited the original experiment made by Dr. Hare several years since, when Dr. Rogers was his assistant, and explained the difference between them as consisting in the one light being formed by a self-sustaining battery, and the other by a battery transient in its effects.

Dr. Leidy read a letter from Mr. Robert D. Owen, of New Harmony, announcing the death, on the 13th inst., of Dr. David Dale Owen, late a Correspondent of the Academy.

On motion of Dr. Rogers, the Secretary was directed to communicate to the immediate relatives of Dr. Owen the regret of the Academy at its loss.

On motion of Dr. Rand, the thanks of the Academy were presented to Messrs. Van Amburg & Co. for donations to the Museum, and the privilege of giving orders of admission to the Museum on public days was granted to the same.

Nov. 22d.

SPECIAL MEETING.

MR. LEA, President, in the Chair.

The President announced the decease of our respected Vice-President, Major Le Conte, on the 21st inst., and stated the object of the meeting to be to express the sense of the Academy at its loss. After a short review of the character and labors of Major Le Conte, by Dr. Fisher, Dr. Elwyn, Mr. Foulke and Mr. Lea, Dr. Fisher offered the following resolutions, which were unanimously adopted :

Resolved, That the Academy has heard with the deepest regret of the death of our late esteemed Vice-President, Maj. John Le Conte, who has for so many years adorned the ranks of the students of Natural Science in America, and who at the time of his decease was one of the oldest naturalists in our country.

Resolved, That Mr. John Cassin be requested to prepare a biographical notice of Maj. Le Conte.

Resolved, That the Secretary be instructed to send to the family of our deceased Vice-President a copy of these resolutions, and that they be published in the daily journals of this city.

Resolved, That the members of the Academy will meet at the Hall of the Academy at 10 o'clock, A. M., on Saturday the 24th inst., to proceed from thence to attend the funeral of the deceased.

Nov. 27th.

Vice-President BRIDGES in the Chair.

Thirty members present.

The following papers were, on report of their respective Committees, ordered to be published in the Proceedings :

[Nov.